

## **ETHAN BUCH**

NIH-Oxford Scholar 2005

Degree: University of Maryland, College Park: B.A. and M.A., Kinesiology, 2002

Research Interests: Neuroscience & Degenerative Diseases, Biomedical Engineering,  
Imaging & Neuroimaging



Ethan Buch received his B.A. and M.A. degree in Kinesiology with High Honors from University of Maryland, College Park in 2002. He has received numerous honors and awards including the Jacob K. Goldhaber Travel Award, Elaine M. Henson Memorial Travel Award, Department of Kinesiology Honors Citation, a University Honors program Citation from University of Maryland, and induction into the Golden Key National Honor Society and Phi Alpha Epsilon. Ethan has been devoted to neuroscience research since the completion of his master's degree. He carried out research with Jose L. Contreras-Vidal in the Cognitive Motor Behavior Laboratory at the University of Maryland, which focused on behavioral studies of motor learning and visuomotor adaptation in relation to aging and neurological disease. He then carried out research with Dr. Steve Wise at the National Institute of Mental Health on the neurophysiology of the frontal cortex and associative memory. He has made numerous presentations and contributions to the literature on his work. Outside his busy academic schedule, Ethan has done professional web design. He was a section leader for the Honors Colloquium at the University of Maryland. He has also volunteered at DC Outfitters food and clothes collections for the homeless and participating in intramural basketball, softball and flag football at University of Maryland. Regarding his future, "the ultimate goal of my research work is to develop a tangible real-world application such as for victims of stroke or other brain diseases causing motor deficits."